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<110> University of Utah Research Foundation
       Cognetix, Inc.
       Olivera, Baldomero M.
      McIntosh, J. Michael
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      Watkins, Maren
      Cruz, Lourdes J.
       Shon, Ki-Joon
      Jacobsen, Richard
      Jones, Robert M.
      Cartier, G. Edward
      Shen, Greg S.
      Wagstaff, John D.
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Ala Glu Arg Mo 35	et Gln Asp Asp Leu 40	ser Ser Glu	Gln His Pro Leu 45	Phe
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TOCHUCIC AFFE
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Ala Glu	20 Arg Pro 35	Ala Glu A	rg Thr 40	25 Gln Asp	Asp Ile	30 Gln Gln 45	His Pro
Leu Tyr 50	Asp Pro	Lys Arg A 5	_	Cys Arg	Tyr Pro 60	Cys Pro	Asp Ser
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nga mga myath

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60

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Ala Glu	u Arg 35	, Leu	His	Asp	Arg	Leu 40	Pro	Thr	Glu	Asn	His 45	Pro	Leu	Tyr	
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114

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       Xaa at residue 1 is Gln or pyro-Glu; Xaa at residue 7 and 9 is Pr
       o or Hyp; Xaa at residue 6 is Trp or bromo-Tr
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       omo-Tr
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       Xaa at residue 2, 13, 15 and 21 is Pro or Hyp
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Cys Lys Arg Asn Xaa Cys Cys Thr
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cagaagtaaa ccttgttgca aatcataacg tattgatgac caactttgtt atcacggcta
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Ala Trp Leu Asp Glu Ser Gln Thr Cys Cys Ser Asn Cys Gly Glu Asp
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      Conus rattus
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      Xaa at residue 1 is Gln or pyro-Glu; Xaa at residue 9 is Glu or g
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amma-carboxy Gl

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agacaaaagt gttgcggcga aggctcgtca tgccccaaat atttcaaaaa caattttatt	240

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gacatttcat ctgacgagca tcccttgttt gataagagac aaaactgttg caatggggga 180
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<212>
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       r, mono-iodo-Tyr, di-iodo-Tyr, O-sulpho-Tyr or O-phospho-Ty
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       Xaa at residue 5 and 6 is Pro or Hyp; Xaa at residue 18 is Tyr, 1
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25I-Tyr, mono-iodo-Tyr, di-iodo-Tyr, O-sulpho-Tyr or O-phospho-Ty

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Cys Gly 65	
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<221>
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       s Trp or bromo-Trp; Xaa at residue 17 is Tyr, 125I-Tyr, mono-iodo
       -Tyr, di-iodo-Tyr, O-sulpho-Tyr or O-phospho-Ty
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Cys Cys Gly 65	
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       Xaa at residue 5 and 7 is Pro c_ Hyp; Xaa at residue 4 is Trp or
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ttgcgagttg tcacgctgcc ttggatgcgt cccttgttgc acatcttaat aacgtgtgga 240	C
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Xaa Arg	
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aagaaggtgt tgccgttatc catgccccga cagctgccac ggatc	ttgct gctataagtg 240
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Cys Phe Val Met Ile Thr Cys
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Arg Trp Cys Arg Asp His Ser Arg Cys Cys
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Lys Pro Gln Arg Cys Cys Gly 20

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Lys Pro His Arg Cys Cys

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Arg Asp Cys Cys Thr Pro Pro Lys Lys Cys Arg Asp Arg Gln Cys Lys 10

Pro Ala Arg Cys Cys Gly

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 Met Arg Lys Ala Cys Cys
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Lys Xaa His Arg Cys Cys
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Pro Gln Arg Cys Cys Ala
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